



In re Application of: Wiley
Application Serial No.: 10/723,028

ATTACHMENT 1

US PAT. APPL. 10/723,028

		<i>Claim 1</i>	Carpenter	Atkins
<i>Hydrogen loading a fiber</i>	Begin	N/A	Fiber without hydrogen	Fiber without hydrogen
		N/A	Exposed to "hydrogen atmosphere" (within <u>sealed chamber</u>) - not bursts - air forbidden	Expose fiber to heated hydrogen for 10 hours or more -14-1100 PSI
		N/A	$\geq 250^{\circ}\text{C}$ (heated hydrogen)	$21^{\circ} - 250^{\circ}\text{C}$ (heated hydrogen)
	End	N/A	Hydrogen-loaded fiber	Hydrogen-loaded fiber
<i>Treating the H-loaded fiber</i>	Begin	Hydrogen-loaded fiber	 Hydrogen-loaded fiber	 Hydrogen-loaded fiber
	Element B Effect	Relocate hydrogen from cladding to core	N/A	Activate hydrogen
	Substance applied	Fluid (e.g., air/ inert gas)	N/A	CO ₂
	Method of application	Burst(s)	N/A	laser
	Temperature	$\geq 100^{\circ}\text{C}$ (heated fluid)	N/A	$> 500^{\circ}\text{C}$ (CO ₂ laser) + $< 100^{\circ}\text{C}$ (cool)
	End			